Avian Diseases Index, 1987

Author Index, 1987

A

Abdu, P. A. 204
Abraham, Albert 498
Alexander, D. J. 105
Allen, Patricia C. 637
Altman, N. H. 206
Ambrus, S. I. 904
Anthony, N. B. 804
Armstrong, L. D. 735
Arp, L. H. 136, 622
Azuma, Y. 125

B

Bangun, A. 43, 46
Barbour, Elie K. 723
Bargar, Tom W. 918
Barnes, H. J. (H. John) 52, 713
Beard, C. W. 321, 533
Beasley, J. N. 145, 309
Bickford, A. A. 913
Blackall, P. J. 59, 527
Blagburn, Byron L. 355, 841
Bouzoubaa, K. 699
Braga, Mauricio 287
Braune, M. O. 392, 878
Brown, T. P. 629, 868
Brugh, M. 533
Bryan, T. A. 662
Burgess, Elizabeth C. 197

C

Calnek, Bruce W. 398
Carlier, M. C. 560
Carpenter, Tim E. 470, 477, 792
Chalquest, R. R. 509
Chang, T. S. 546
Cho, B. R. 538
Christensen, N. H. 910
Christie, G. 814
Citino, S. B. 206
Coon, Craig N. 820
Cooper, George 913
Coplin, D. L. 782
Corrier, D. E. 787
Cotter, Paul F. 643
Cowen, B. S. 351, 392, 878, 904
Cruickshank, J. J. 332

D

Danforth, Harry D. 99
Da Silva, Jose Maria Lamas 287
Davis, R. B. 629, 673
Dhillon, A. S. 39, 654
Dillberger, J. E. 206
Doster, Alan R. 918
Downs, W. C. 64
Duhamel, Gerald E. 918
Dunnington, E. A. 804
Dyer, D. C. 677
Dykstra, M. J. 1

E

Edens, F. W. 504, 746
Edson, Robert K. 264
Edwards, John F. 241, 888

F

Fadly, A. M. 234, 546
Farver, T. B. 264, 814
Fate, M. A. 145
Ficken, Martin D. 241, 888
Fletcher, O. J. 120, 383, 459, 577, 584, 591, 868
Frame, David D. 913
Frank, A. A. 386
French, H. 130
Friars, G. W. 130
Fries, P. A. 601
Fujimoto, Y. 156
Fulton, R. M. 666

G

Garrett, P. D. 358
Gelb, J., Jr. 513, 601
Gerig, Thomas M. 713
Gerlach, Helga 214
Ghazikhanian, G. Yan 254, 913
Giambrone, Joseph J. 355, 841
Gifford, D. H. 339
Glisson, J. R. 260, 383, 629
Gonder, Eric 52
Gonze, M. 560
Graham, David L. 398, 411
Gribble, David 685
Gross, W. B. 804
Guy, James S. 713
Gyimah, J. E. 787
Gyles, C. L. 844

H

Halvorson, D. A. (David A.) 431, 498, 556, 723, 776, 820
Hanson, J. A. 735
Hanson, Robert P. 293
Hao, Q. 649
Harvey, R. B. 787
Herbst, W. 921
Hernandez, Aureliano 658
Higashihara, M. 193
Hird, David W. 792
Hirsh, Dwight C. 254, 792
Hiruma, M. 193
Hoerr, Frederic J. 355, 389, 841
Hofacre, Charles L. 260
Holler, L. D. 380
Horiuchi, T. 491
Houdatsu, T. 193
Houghten, G. E. 309
Huang, Diana D. 438, 446
Hughes, J. H. 370
Hugh-Jones, M. 339

I

Ismail, N. M. 546
Isoda, M. 176
Izawa, H. 156, 564

J

Jack, S. W. 662
Jackwood, Deborah H. 370, 766
Jackwood, M. W. 277, 597, 782
Jensen, M. M. 64, 70, 74, 80, 85, 140
Johnson, J. L. 43
Johnson, Jerre L. 918
Jones, D. E. 804
Julian, R. J. 130

K

Kajigaya, H. 176
Kaleta, E. F. 187, 921
Kamemura, M. 176
Kang, S. Y. 607
Kantor, S. 302
Karaca, Kemal 202
Karesh, William B. 685
Karunakaran, Daniel 498
Katanbaf, M. N. 804
Kataria, J. M. 249
Kawamura, M. 564
Kelleher, C. J. 431
Kelly, B. J. 913
Kemppainen, R. J. 358, 800
Khan, M. I. 315, 814, 907

Kibenge, F. S. B. 39, 654
Killian, S. L. 513
Kimura, Yoshihiko 730
Kirkpatrick, B. C. 907
Kleven, S. H. 260, 641
Kobayashi, H. 125
Kodama, H. 564
Kotani, T. 169, 491
Krista, L. M. 358, 800
Kubena, L. F. 787

L

Lam, K. M. 202, 315, 649
Lana, D. P. 538
Lapp, N. A. 145
Lay, John C. 241, 888
Lee, L. F. 829
LeFevre, S. D. 64, 70
Leggett, F. L. 735
Leipold, Rose 214
Levisohn, S. 1
Levy, Michael G. 713
Ley, David H. 713
Lillehoj, Hyun S. 112
Lin, M. Y. 641, 705
Lindsay, David S. 355, 841
Lukert, P. D. 673

Mc

McCapes, Richard H. 792
McCorkle, F. M. 504, 746
McDougald, Larry R. 287, 302, 740
McMartin, D. A. 814
McQuistion, Thomas E. 327

M

Mannl, A. 214
Marino, Olga C. 293
Marquardt, W. W. 538
Martin, A. 804
Mathis, Greg F. 740
Matumoto, M. 193
Meulemans, G. 560
Meyers, C. M. 64, 74
Mikami, T. 156, 564
Mills, K. 380
Mitchell, B. W. 321
Mo, Claudette L. 197
Mohammed, Hussni O. 470, 477
Mohanty, G. C. 225, 249
Moriguchi, R. 156
Morrey, J. D. 64
Mukit, A. 225
Muneer, Mohammad A. 820
Myers, Ronald K. 622

N

Nagaraja, K. V. 607, 699
Nakamura, J. 491
Naqi, S. A. 787
Nason, George 918
Nazerian, K. 234
Nerome, K. 564
Nersessian, B. N. 459
Newman, J. A. (John A.) 431, 498, 556, 607, 699, 723, 776, 820
Nicoll, T. R. 64, 85, 140
Nonaka, F. 464
Nugent, Mark A. 438, 446
Nunoya, T. 149

O

Odagiri, Y. 169, 491
Ohta, A. 176
Olson, LeRoy D. 13, 22, 29
Onderka, D. K. 735
Osuna, O. 868
Owen, R. L. 878

P

Panigrahy, B. 787, 809
Pass, D. A. 425, 680, 771
Pattnaik, B. 225, 249
Pearson, J. E. 105
Pedersoli, W. M. 358, 800
Peterson, F. S. 601
Peterson, L. A. 105
Petit, P. 560
Phillips, T. D. 787
Pomeroy, B. S. 699
Poppe, C. 844
Pradhan, H. K. 225, 249
Prus, S. E. 420, 680

Q

Quarles, Carey 302
Quinton, M. 130

R

Ranck, F. Merrill, Jr. 389
Reed, W. M. 386, 662, 666
Reid, G. G. 59, 527
Reynolds, D. L. 89, 272, 376
Rhoades, K. R. 345, 523, 855, 895
Riddell, C. 425, 680, 771
Rimler, R. B. 345, 523, 884, 895
Rivetz, B. 459
Rosales, Gregorio 629
Rosenberger, John K. 438, 446
Rosendal, S. 365
Rosenstein, M. 309
Rothenbacher, H. 392
Ruff, M. D. 112
Runde, D. E. 380
Russell, P. H. 105
Russell, Robert 685

S

Saif, Y. M. 89, 272, 277, 370, 376, 597, 766, 782
Sasipreeyajan, Jiroj 556, 723, 776
Schemera, B. (Bettina) 187, 921
Schenkel, R. 302
Schlink, Gerald T. 13, 22, 29
Schmutz, S. M. 420
Schnitzer, Thomas J. 438, 446
Schwartz, L. D. 904
Senne, D. A. 105
Shah-Majid, M. 365
Shane, S. M. 339
Sharma, J. M. 570
Shinomiya, T. 125
Shriver, J. W. 145
Siegel, P. B. (P.) 804, 861
Silva, R. F. 829
Sim, J. S. 332
Simmons, D. G. 504, 746
Sivanandan, V. 723, 820
Skeeles, J. K. 145, 309
Slavik, M. F. 145, 309
Smith, Jeanne M. 913
Snipes, Kurt P. 254, 792
Snyder, D. B. 538
Solis, Juan 287
Spano, J. S. 358, 800
Stone, Henry D. 483
Sugiyama, M. 176
Sundermann, Christine A. 841
Suwanichkul, A. 809
Suzuki, H. 176

T

Tajima, M. 149
Takai, S. 193
Takase, K. 464
Takehara, K. (Kazuaki) 125, 730
Tanahara, N. 176
Tanaka, Yoshio 730
Tang, Kai N. 577, 584, 591
Tanizaki, E. 169
Taylor, W. D. 105
Thayer, S. G. 120, 459
Theil, K. W. 89, 272, 376, 899
Thorsen, J. 455
Toro, H. 187, 921
Toth, T. E. 861
Tripathy, D. N. 43, 46
Tveter, D. E. 241

V

Van Alstine, W. G. 136, 677
Van Vleet, J. F. 666
Veit, Hugo 861
Verma, K. C. 249
Villegas, P. 120, 577, 584, 629, 673

W

Wagner, R. M. 809
Wainright, P. O. 673
Wang, G. T. 302
Webster, R. G. 533
Weigler, B. J. 339
Wideman, R. F. (Jr.) 392, 878
Wigle, W. L. 666
Wilkinson, D. M. 80
Williams, E. S. 380
Wilson, R. A. 904
Wing, Terry 643
Witter, R. L. 752, 829
Wyatt, R. D. 868

Y

Yagihashi, T. 149
Yamada, S. 464
Yamagami, T. 125
Yamamoto, M. 464
Yamamoto, R. 264, 315, 470, 477, 907
Yersin, A. G. 504, 746
Yoshida, H. 156
Yoshimura, M. (Masao) 125, 730
Young, D. W. 800

Z

Zellen, G. K. 455

Subject Index, 1987

A

AAAP
  disease reports, 1986 926
  P. P. Levine Award, 1986 695
  Reed Rumsey Student Awards, 1987 697
  Special Service Award, 1987 693
  tribute 691
  Upjohn Achievement Award, 1987 696
adenovirus, avian
  infection associated with respiratory disease 654
  type 1, trivalent antigen for detecting precipitin 351
aerosolization of oxytetracycline in parakeets 677
agar-gel precipitin for influenza detection, seromethods compared 560
airsacculitis in turkeys exposed to *Mycoplasma synoviae* cell membranes 855
amantadine, resistance of influenza virus in layers 533
Amaurornis, malignant neoplasia in 206
amino acid sequences of *Escherichia coli* pili 809
Anas see duck
antibiotics
  vs. mycoplasmas from Taiwan 705
  oxytetracycline aerosolization in parakeets, tissue and plasma concentrations 677
antibody
  antinuclear, reoviral arthritis association 249
  hybridoma, *vs. Eimeria acervulina* 99
  monoclonal, against reovirus 730
anticoccidial drugs
  coccidial response to 287
  polyether ionophores *vs.* pheasant coccidia 327
antigen
  of *Escherichia coli* pili compared 809
  hemagglutination, from *Mycoplasma synoviae* 641
  trivalent, for avian adenovirus type 1 detection 351
arthritis, reoviral, antinuclear antibody level in chickens 249
Art Vax™ vaccination of turkeys by spray 309
ascites
  hypoxic, in Colombian broilers 658
  right-ventricular-failure-induced, *vs.* weight gain 130
author guidelines 223, 428, 689, 983
avian cholera *see Pasteurella multocida*
avian influenza *see* influenza virus
avidin-biotin-peroxidase complex method for viral detection
  infectious bursal disease virus 538
  reovirus 591
awards *see* AAAP

B

bacterial interference for staphylococcosis control
  in chickens 140
  in turkeys 74, 80, 85
biosecurity evaluation in broiler breeders 339
blood sampling, venous, in duck 358
bobwhite quail *see* quail
book review 222
Bordetella avium
  Art Vax™ vaccination by spray *vs.* 309
  B. avium-like bacteria *vs.* 597
  effect of heat-labile toxin on poults 345
  effect on monoamine levels
    in brain 504
    in lymphoid tissue 746
  pili expression 277
  plasmids isolated and characterized 782
  response of turkey tracheal organ culture to toxin 136
Bordetella avium-like bacteria
  efficacy *vs. B. avium* infection 597
  pili expression 277
Bordetella avium rhinotracheitis *see* turkey coryza

brain
B. avium effect on monoamine level 504
Dactylaria gallopava encephalitis in trumpeters 685
Branta canadensis, liposarcoma in 918
"breast buttons" in tom turkeys 52
budgerigars, chronic rhinitis and sinusitis in 425
budgerigar fledgling disease virus antibody in Psittaciformes 673
bursal cell number *vs.* infectious bursal disease pathogenesis 546
bursectomy
vs. CU *Pasteurella multocida* vaccine 13
in ovo vs. Newcastle disease virus effect in chickens 293

C

Cacatua, neuropathic gastric dilatation in 214
cage density *vs.* leg abnormality in broilers 332
caged birds from Southeast Asia, Newcastle disease virus isolation from 564
calcium, dietary, *vs.* tibial dyschondroplasia in broilers 771
Canada goose, liposarcoma in 918
cancer metastasis, celomic membrane role in 176
cardiomyopathy, furazolidone-associated, in ducklings 666
cell lines, continuous, infectious bursal disease replication in 370
celomic membranes, role in cancer metastasis 176
cholera *see Pasteurella multocida*
clinical chemistry baseline values in ducks and roosters 800
Clostridium perfringens in experimental necrotic enteritis 904
coccidia *see also* individual species
antibody response of inbred chickens to 112
anticoccidial effect on 287, 327
maduramicin *vs.* ionophore-tolerant isolates 302
resistance of hybrid to 740
cockatoos, neuropathic gastric dilatation in 214
colibacillosis *see Escherichia coli*
Colinus virginianus see quail, bobwhite
Conium maculatum toxicosis in turkeys 386
coryza *see* infectious coryza
Coturnix see quail
Cryptosporidium
in bobwhite quail, enteritis reproduced 713
in turkey respiratory tract 389
Cryptosporidium baileyi
inoculation site *vs.* site of development 841
oocyst inoculation ocularly in chickens and turkeys 355
cyclophosphamide *vs.* CU *Pasteurella multocida* vaccine 13

D

Dactylaria gallopava-induced encephalitis in grey-winged trumpeters 685
dermatitis, focal ulcerative, in tom turkeys 52
dilatation, neuropathic gastric, in Psittaciformes 214
Disease reports 926
DNA probe, *Mycoplasma gallisepticum* strain-specific 907
DNA studies of *Pasteurella anatipestifer* 43
drugs
anticoccidial, *vs.* coccidia 287, 327
vs. mycoplasmas from Taiwan 705
duck
baseline hematology, hormones, and clinical chemistry 800
combed, malignant neoplasia in 206
duck plague and *Pasteurella* synergism 197
mountain, malignant neoplasia in 206
white pekin, furazolidone-associated cardiomyopathy in 666
white pekin, venous blood sampling in 358
duck plague, *Pasteurella* influence on mortality 197
dyschondroplasia, tibial, dietary calcium and phosphorus *vs.*, in broilers 771

E

egg
Mycoplasma gallisepticum bacterin effect on production 776
M. gallisepticum culture from 556
M. meleagridis infection via, in turkeys 264
egg-drop syndrome 1976, experimental infection in layers 193
Eimeria
anticoccidial efficacy *vs.* 287
ionophore-tolerant isolates, maduramicin efficacy against 302
in pheasant, ionophores *vs.* 327
resistance of hybrids 740
Eimeria acervulina
anticoccidial efficacy *vs.* 287
heart, effect on, in broiler chicks 637
inbred chicken response to 112
merozoites, hybridoma antibodies *vs.* 99
Eimeria brunetti, anticoccidial efficacy *vs.* 287
Eimeria maxima
anticoccidial efficacy *vs.* 287
inbred chicken response to 112
Eimeria mitis, anticoccidial efficacy *vs.* 287
Eimeria tenella
anticoccidial efficacy *vs.* 287
inbred chicken response to 112
ELISA
commercial compared 120
vs. ImmunoComb® 459
indirect sandwich, parameters optimized 509
infectious bronchitis virus antigenic relationships determined 455
influenza virus antibody measured, hemagglutination and agar-gel precipitin compared 560
Pasteurella multocida vaccination protocols compared 260

embryo
18-day, *Mycoplasma gallisepticum* culture from 556
ochratoxin A-treated, immunologic effects in 787
encephalitis
avian encephalomyelitis vaccine-related, in broiler breeders 383
Dactylaria gallopava-induced, in trumpeters 685
encephalomyelitis vaccine in broiler breeders, encephalitis-related 383
endocrine baseline values in ducks and roosters 800
enteric virus *see also* individual varieties
in pheasant, rota and rota-like virus isolation 376
in turkey 89, 272
enteritis
necrotic, induced in chickens 899
in quail reproduced with *Cryptosporidium* and reovirus 713
enzyme immunoassay for infectious bronchitis serological differentiation 187
enzyme-linked immunosorbent assay *see* ELISA
Escherichia coli
pilus proteins compared 809
pulmonary clearance in aerosolized turkeys 622
tracheal clearance after Newcastle disease virus exposure 241

F

Falco rusticolus, avian cholera in 380
fatty-acid profiles of *Pasteurella anatipestifer* 46
feather-pulp lesions related to Marek's disease lymphomas 156
finches, paramyxovirus-3 in 921
focal ulcerative dermatitis in turkeys 52
fowl cholera *see Pasteurella multocida*
fowl pox virus *vs.* tracheal mucosa changes in chicken 169
fowl typhoid, *Salmonella gallinarum* membrane proteins *vs.* 699
fungicide *vs.* mold in turkey confinement housing 145
fungus, *Dactylaria gallopava* encephalitis in trumpeters 685
furazolidone-induced cardiomyopathy in ducklings 666

G

gastric dilatation, neuropathic gastric, in Psittaciformes 214
genes of reovirus M and S
vs. viral pathogenicity *in vivo* 446
vs. viral persistence *in vivo* 438
genome electropherotyping procedure for rotaviruses, modified 899
genotype–housing interaction *vs.* chicken response to *Streptococcus faecalis* 804
goose, Canada, liposarcoma in 918
Guidelines for Authors 223, 428, 689, 983
guinea fowl/chicken hybrid resistance to coccidia 740
gyrfalcon, avian cholera in 380

H

Haemophilus paragallinarum in inactivated infectious coryza vaccine 59, 527
Hanson, Robert P., tribute 691
heart
broiler
Eimeria acervulina effect on 637
hypoxic ascites in 658
right ventricular failure *vs.* weight gain 130
duckling, furazolidone-associated cardiomyopathy in 666
hemagglutination-inhibition test
compared with ImmunoComb® 459
compared with other tests for influenza 560
hematology in ducks and roosters, baseline values 800
hemorrhagic enteritis virus of turkey *in vivo* and *in vitro* 234
hepatitis, inclusion body, in bobwhite quail 662
hormones in ducks and roosters, baseline values 800
housing–genotype interaction *vs.* chicken response to *Streptococcus faecalis* 804
human plasma, wattle reaction to 643
hybridoma antibodies against *Eimeria* 99
hybrids, resistance of chicken/guinea fowl and chicken/Japanese quail to coccidia 740
hypoxic ascites in Colombian broilers 658

I

ImmunoComb® solid-phase immunoassay
infectious bronchitis antibody detection 459
Newcastle disease virus antibody detection 459
immunoperoxidase technique *see* avidin-biotin-peroxidase-complex method
inclusion body hepatitis in bobwhite quail 662
infectious bronchitis virus
antigenic relationship among serotypes 455
Ark strain challenge in Mass-vaccinated layers 820
ImmunoComb® for antibody 459
serological differentiation of field isolates 187
serum antibodies *vs.* sequential inoculations 513
in urolithiasis-affected layers 629, 878
infectious bursal disease virus
antigenic diversity of strains 766
avidin-biotin-peroxidase complex method for detection 538
bursal cell number *vs.* pathogenicity 546
and concurrent spirochetosis 204
replication in continuous cell lines 370
infectious coryza vaccine, inactivated
adjuvants 59
aluminum-hydroxide-adsorbed 527
influenza virus
antibody detection, serological procedures compared 560
H5N2, amantadine-resistant 533
vaccines
inactivated, in turkey 498
oil-emulsion, in chickens of various ages 483

instructions for authors 223, 428, 689, 983
irradiation *vs.* CU *Pasteurella multocida* vaccine 13

J

Japanese quail *see* quail

K

kidney
broiler, oosporein-induced toxicosis in 868
chick, water-deprivation effects on 735

L

lasalocid *vs.* pheasant coccidia 327
leg abnormalities, vitamin D_3 and cage density related to 332
lesions
air-sac, in *Escherichia coli*-aerosolized turkeys 622
air-sac, *Mycoplasma gallisepticum* bacterin *vs.* 202
feather-pulp, Marek's disease lymphomas related 156
lung, in *Escherichia coli*-aerosolized turkeys 622
liposarcoma in Canada goose 918
liposomes as adjuvant in *Mycoplasma gallisepticum* bacterin 723
lung clearance of *Escherichia coli* 622
lymphocytes, chicken, and Newcastle disease virus interaction 649
lymphoid tissues, *Bordetella avium vs.* monoamine levels 746
lymphomas, Marek's disease, related to feather-pulp lesions 156
lyophilization of *Mycoplasma synoviae* hemagglutination antigen 641

M

macrophages, respiratory, Newcastle disease virus infection *vs.* activities 888
maduramicin *vs.* ionophore-tolerant coccidia 302
Marek's disease virus
delayed replication after late *in ovo* inoculation 570
lymphomas, feather-pulp lesions related 156
of quail origin, in experimental quail infection 225
vaccines, serotype 2 and attenuated serotype 1 studied 752, 829
Melopsittacus undulatus, chronic rhinitis and sinusitis in 425
membrane protein from *Salmonella gallinarum vs.* fowl typhoid 699
membranes, celomic, role in cancer metastasis 176
Mertect 340-F® *vs.* mold in turkey confinement housing 145
MG-Bac® *vs.* air-sac lesions 202
mold, thiabendazole control in turkey confinement housing 145
monensin *vs.* pheasant coccidia 327
monoamines, *Bordetella avium vs.*
in brain 504
in lymphoid tissues 746
monoclonal antibody
vs. infectious bursal disease virus, used in avidin-biotin-peroxidase complex method 538
vs. reovirus 730
mucosa, tracheal, fowl pox virus-induced changes in 169
Mycoplasma isolates from Taiwan, antibiotics and drugs *vs.* 705
Mycoplasma gallisepticum
bacterin
vs. air-sac lesions 202
effect on egg-transmission and production 776
inactivated aluminum-hydroxide-adsorbed 149
liposomal, in layers 723
culture from eggs and 18-day embryos compared 556
economic impact in layers 477
infection of trachea, single or mixed 1
lateral spread 814
risk factors in layers 470
sodium dodecyl sulfate–polyacrylamide gel electrophoresis detection of strain variation 315
strain-specific DNA probe 907
transmission by egg, bacterin effect on 776
Mycoplasma iowae, oral challenge of poults 365
Mycoplasma meleagridis, egg-borne infection elimination probability 264
Mycoplasma synoviae
cell membranes, airsacculitis in turkeys due to 855
economic impact in layers 477
hemagglutination antigen, lyophilization of 641
risk factors in layers 470
myopathy, sub-gastrocnemial ischemic, in broiler breeders 910

N

necrotic enteritis, experimentally induced in chickens 904
Neophema splendida, papova-like virus infection in 680
neoplasia in captive wild birds 206
Newcastle disease virus
chicken lymphocyte interaction 649
ImmunoComb® for antibody detection 459
in ovo bursectomy effect on chicken response 293
isolation from caged birds from Southeast Asia 564
Japanese isolates characterized 125
La Sota, *vs. Escherichia coli* clearance from turkey tracheas 241
lentogenic, *vs.* chicken tracheal mucosa changes 491
pigeon paramyxovirus-1 isolates compared 105, 601
spray vaccination program in turkeys 431
vs. turkey respiratory macrophages 888
vaccine, environmental temperature effect on efficacy in broilers 321
Numida meleagridis/Gallus hybrid, resistance to coccidia 740

O

ochratoxin A, immunologic effects *in ovo* 787
oosporein-induced toxicosis effect in kidney 868
Ortygospiza atricollis, paramyxovirus-3 in 921
oxytetracycline aerosolization, tissue and plasma concentrations in parakeets 677

P

papova-like virus infection in splendid parakeets 680
papovavirus
  budgerigar fledgling disease virus antibody in Psittaciformes 673
  infection in hand-fed parrots 398
parakeets
  oxytetracycline aerosolization in 677
  splendid, papova-like virus infection of 680
paramyxovirus-1 *see also* Newcastle disease virus
  pigeon isolates 105, 601
paramyxovirus-3 in exotic finches 921
parrot
  African grey, reo-like virus isolation in 411
  hand-fed, papovavirus in 398
Pasteurella anatipestifer
  cellular fatty-acid profiles 46
  DNA base composition 43
  duck-plague-carrier challenge 197
  in meat-type turkeys 913
Pasteurella multocida
  bursectomy *vs.* CU vaccination 13
  capsular serogroups 895
  cross-protection factors in turkeys 884
  CU vaccine in turkeys 22, 29
  cyclophosphamide *vs.* CU vaccination 13
  duck-plague-carrier challenge 197
  encapsulated *vs.* acapsular strain, fate in turkey bloodstream 254
  endotoxin effect in poults 523
  in gyrfalcon 380
  irradiation *vs.* CU vaccination 13
  in turkeys in California 792
  vaccination protocols for chickens 260
  vaccine in layers and breeders 29
  vaccine route in growing turkeys 22
phagocytes stimulated for cellular defense of respiratory system 861
Phasianus see pheasant
pheasant
  coccidial infection, ionophores *vs.* 327
  rota and rota-like viruses in intestinal contents 376
phosphorus, dietary, *vs.* tibial dyschondroplasia in broilers 771
pigeon paramyxovirus-1 isolates 105, 601
pili
  Bordetella avium 277
  Escherichia coli 809
plasma, human, wattle reaction to 643
plasmids
  Bordetella, isolation and characterization of 782
  Salmonella, related to virulence 844
Poephila cincta, paramyxovirus-3 in 921
poison hemlock toxicosis in turkeys 386
poisoning, oosporein-induced, in kidney 868
polypeptides, rotaviral, characterized 607
Porphyrio, malignant neoplasia in 206
P. P. Levine Award, 1986 695
proteins, membrane, from *Salmonella gallinarum vs.* fowl typhoid 699
Psittaciformes
  budgerigar fledgling disease virus antibody in 673
  neuropathic gastric dilatation in 214
psittacine sexing, surgical *vs.* cytogenetic 420
Psittacus see parrot
Psophia crepitans, Dactylaria gallopava encephalitis in 685
pulmonary clearance of *Escherichia coli* 622

Q

quail
  bobwhite
    enteritis reproduced with *Cryptosporidium* and reovirus 713
    inclusion body hepatitis in 662
  Japanese, experimental Marek's disease in 225
quail/chicken hybrid, resistance to coccidia 740

R

Reed Rumsey Student Awards, 1987 697
reo-like virus infection in parrot 411
reovirus
  as arthritis cause, antinuclear antibody *vs.* in chickens 249
  avidin-biotin-peroxidase complex technique for detection 591
  in bobwhite quail, enteritis reproduced 713
  isolated in Japan 464
  M and S genes studied *in vivo* 438, 446
  monoclonal antibodies derived 730
  pathogenicity in chickens 39, 577
  strain 176, pathogenicity in newly hatched chicks 584
respiratory disease in commercial chicken, adenovirus infection associated with 654
respiratory macrophages, Newcastle disease virus infection *vs.* activities 888
respiratory system, phagocytes stimulated for cellular defense of 861
rhinitis and sinusitis, chronic, in budgerigars 425
roosters, baseline hematology, hormones, and clinical chemistry 800
rota-like virus in pheasant intestinal contents 376

rotavirus
in pheasant intestinal contents 376
polypeptides studied 607
in turkey, modified genome electropherotyping procedure 899

S

salinomycin *vs.* pheasant coccidia 327
Salmonella plasmid relation to virulence 844
Salmonella gallinarum, membrane proteins from, *vs.* fowl typhoid 699
Sarkidiornis, malignant neoplasia in 206
serum chemistry baseline values in ducks and roosters 800
serum-neutralization test, infectious bronchitis virus antigenic relationships determined 455
sexing, surgical *vs.* cytogenetic, in psittacines 420
sinusitis and rhinitis, chronic, in budgerigars 425
sodium dodecyl sulfate–polyacrylamide gel electrophoresis for detecting *Mycoplasma gallisepticum* strain variations 315
Special Service Award, 1987 693
spirochetosis and concurrent infectious bursal disease 204
staphylococcosis *see Staphylococcus* spp.
Staphylococcus aureus
portal of entry 64
protein A content *vs.* virulence 70
S. epidermidis vs. 74, 85
tissue colonization 64
Staphylococcus epidermidis strain 115
as interfering agent *vs.* staphylococcosis
in chicken 140
in turkey 74, 85
bacteriocin characterized 80
Streptococcus faecalis, chicken response to, genotype–housing interactions 804
stress, leg disorders related to 332
swamphen, Asian purple, malignant neoplasia in 206

T

Tadorna, malignant neoplasia in 206
temperature, environmental, influence on Newcastle disease virus vaccine efficacy in broilers 321
tenosynovitis strain 176, pathogenicity in newly hatched chicks 584
tetrazolium-reduction assay for *Bordetella avium*-induced changes in turkey tracheal organ cultures 136
thiabendazole *vs.* mold in turkey confinement housing 145
tibial dyschondroplasia in broilers, dietary calcium and phosphorus *vs.* 771
toxicosis
oosporein-induced, in kidney 868
poison hemlock, in range turkeys 386
trachea
chicken
fowl pox virus-induced changes in mucosa 169
Mycoplasma gallisepticum interaction with mucosa 1
Newcastle disease virus-induced changes in mucosa 491
turkey, Newcastle disease virus influence on *Escherichia coli* clearance 241
tracheal organ cultures, *Bordetella avium* toxin effect on 136
tribute to Robert P. Hanson 691
trumpeters, grey-winged, *Dactylaria gallopava* encephalitis in 685
turkey coryza *see Bordetella avium*

U

Upjohn Achievement Award 696
urolithiasis
egg-farm outbreak 392
infectious bronchitis virus-associated outbreak in layers 629, 878

V

venous blood sampling in duck 358
ventricular failure and hypertrophy related to weight gain 130
vitamin D_3, excess, related to leg abnormality in broilers 332

W

water deprivation in chicks, renal changes 735
waterhen, malignant neoplasia in 206
wattle reaction to human plasma 643
weight gain, right ventricular failure relation 130
wild birds, captive, malignant neoplasia in 206